

Flight Scientist Report  
Thursday 06/02/2022 ACTIVATE RF162

Flight Type: Statistical Survey Flight

Flight Route:

Special Notes: Doing a spiral by the Tudor Hill site at end of flight w/ Falcon. UC12 experienced maintenance issue prior to takeoff and did not fly.

**King Air**

Pilot report ():

Flight scientist report ():

**Falcon**

Pilot report (Baxley):

Planned ACTIVATE mission with HU-25 and UC-12 coordinated flight, flown by HU-25 only. Initial plan TXKF-FOXIT-PERDO-FOXIT-Tudor Hill-TXKF, however deviated significantly at the direction of the research team.

Flight scientist report ():

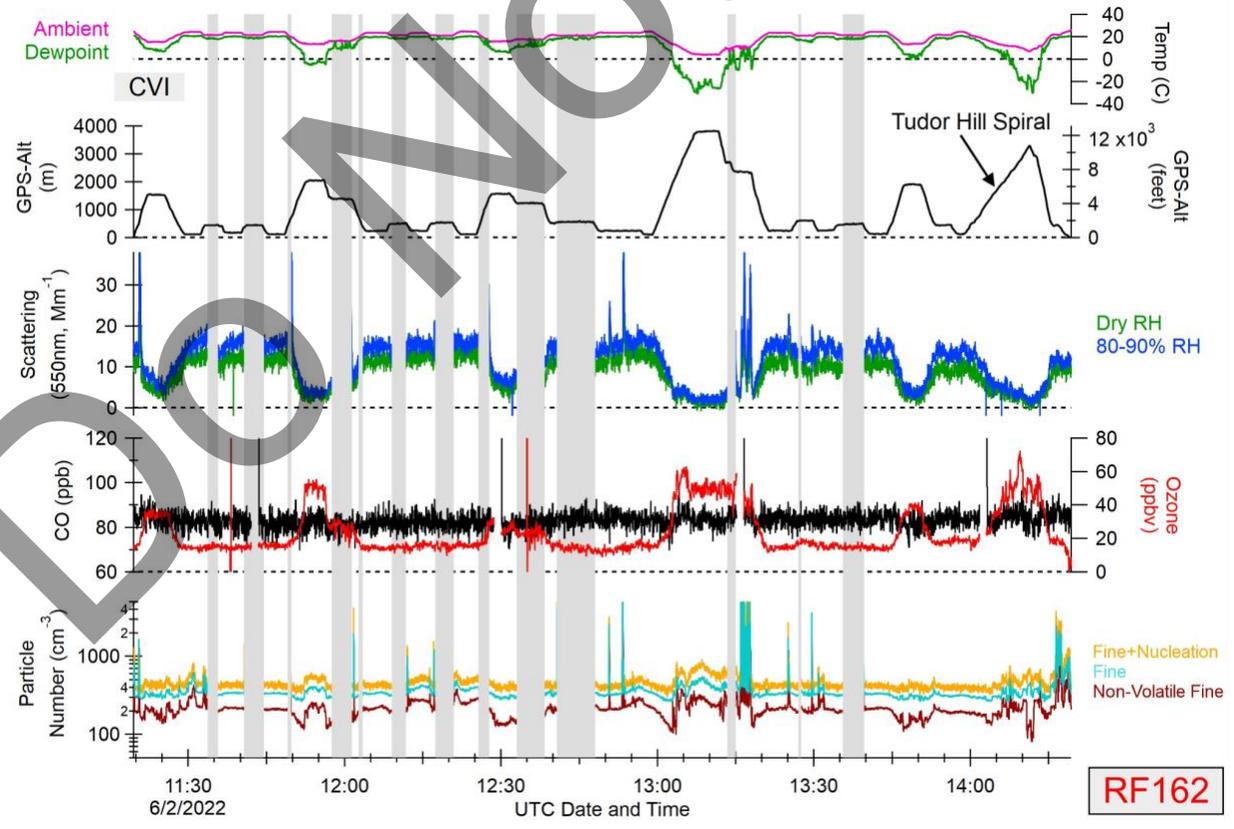
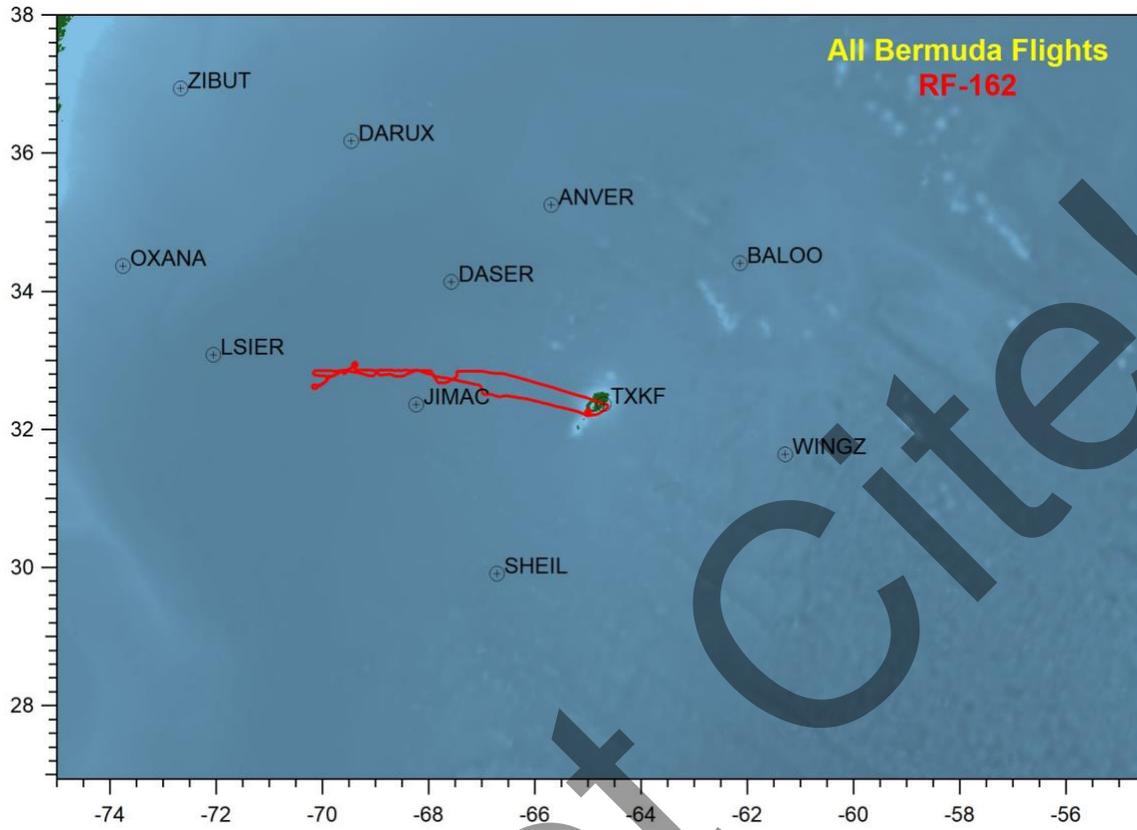
Winstead:

11:23:15 Wet neph <100% RH after being high since startup.

11:30 Lower humidifier by 1- degree. Controlling RH difficult

12:59:15 Spiral up

13:58:40 Spiral up near Bermuda coast at 500 ft/min

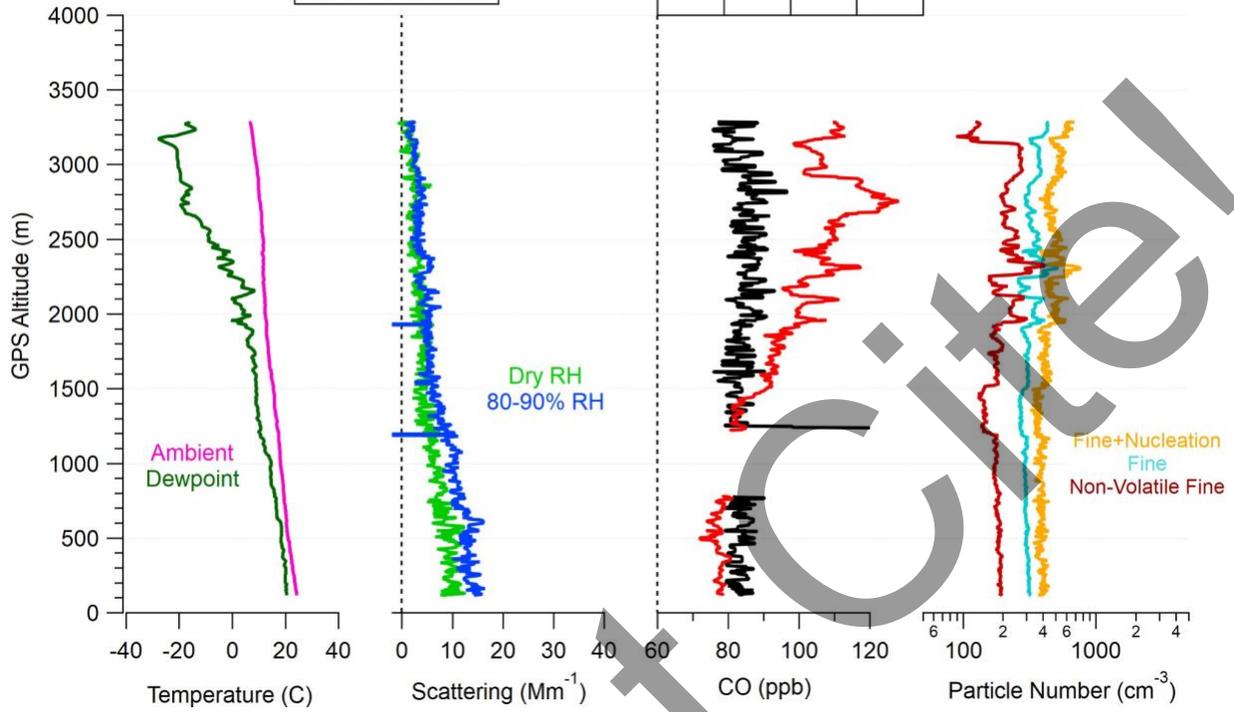


Tudor Hill Spiral

6/2/2022  
13:48 - 14:11 UTC

Ozone (ppbv)  
0 20 40 60 80

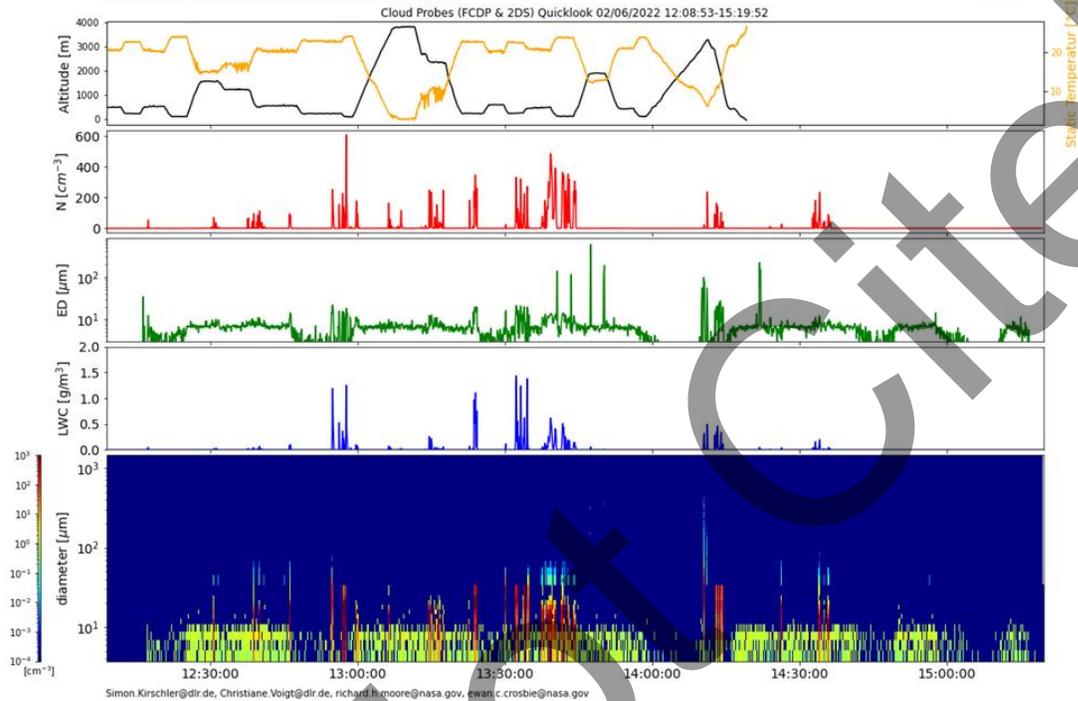
RF162



# Quicklook ACTIVATE Cloud Probes (FCDP & 2DS) Quicklook

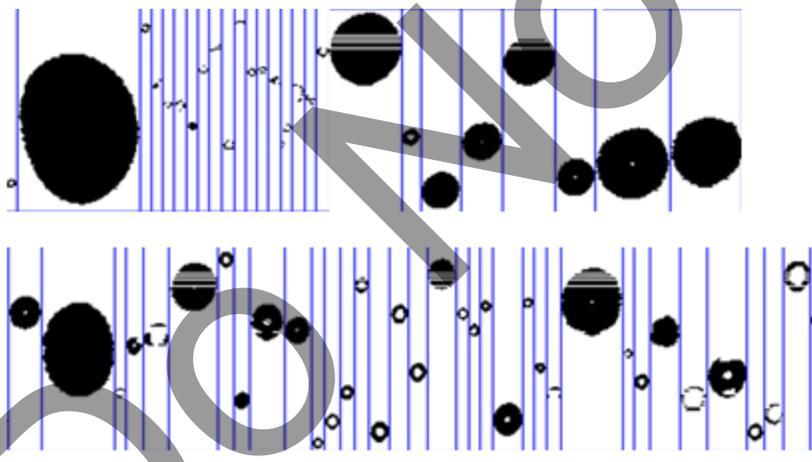
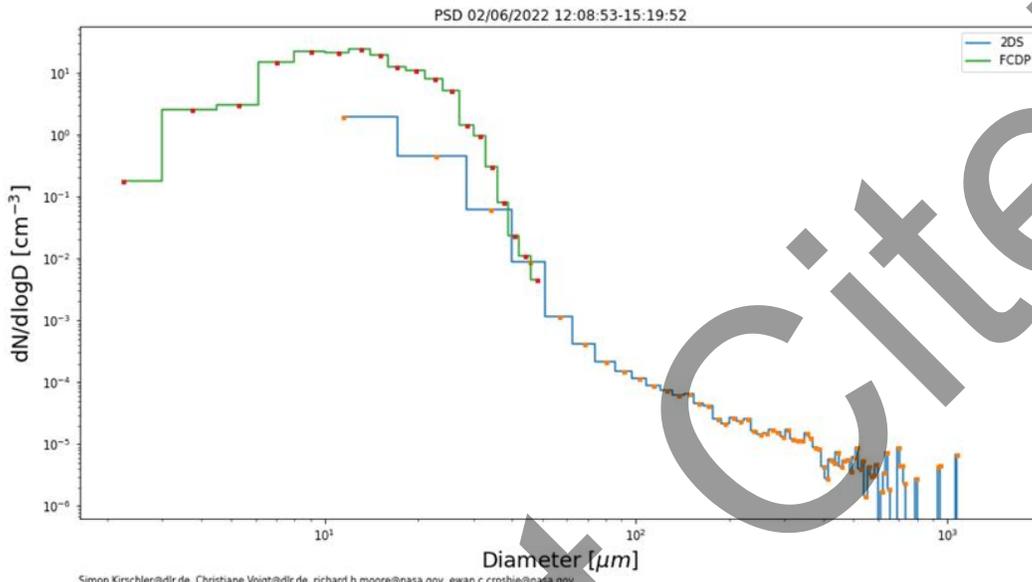
preliminary data, only for quicklook use

Simon Kirschler, Christiane Voigt, Richard Moore, Ewan Crosbie



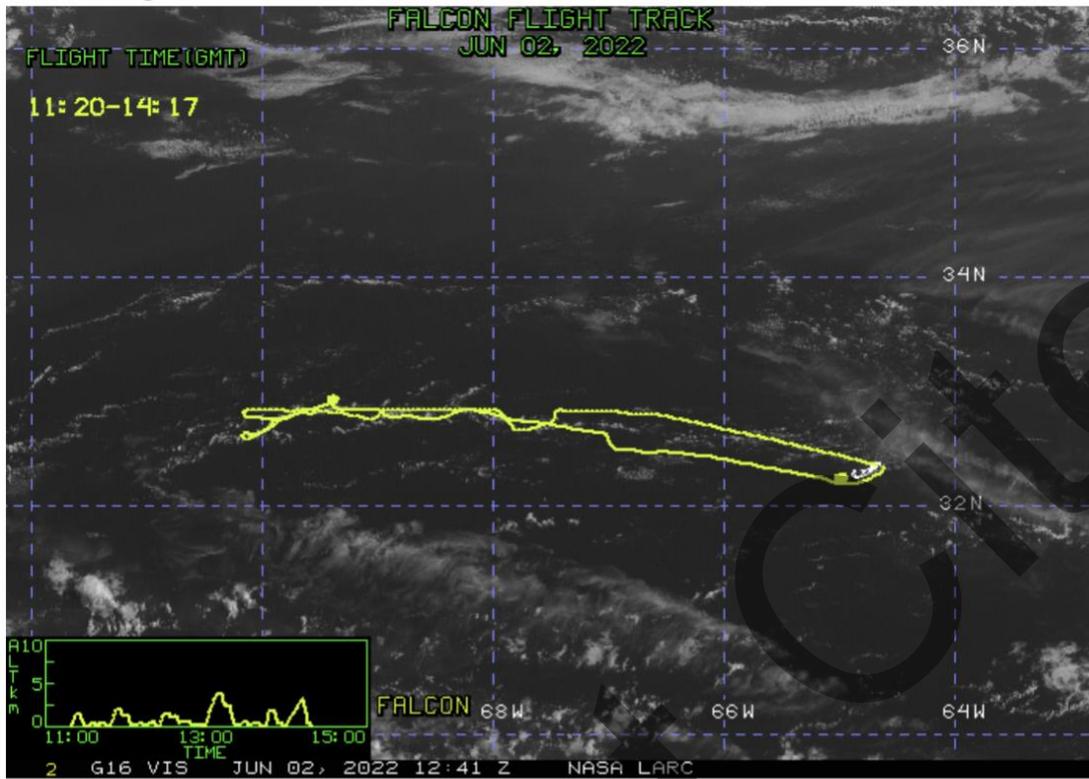
# PSD ACTIVATE

preliminary data, only for quicklook use  
Simon Kirschler, Christiane Voigt, Richard Moore, Ewan Crosbie

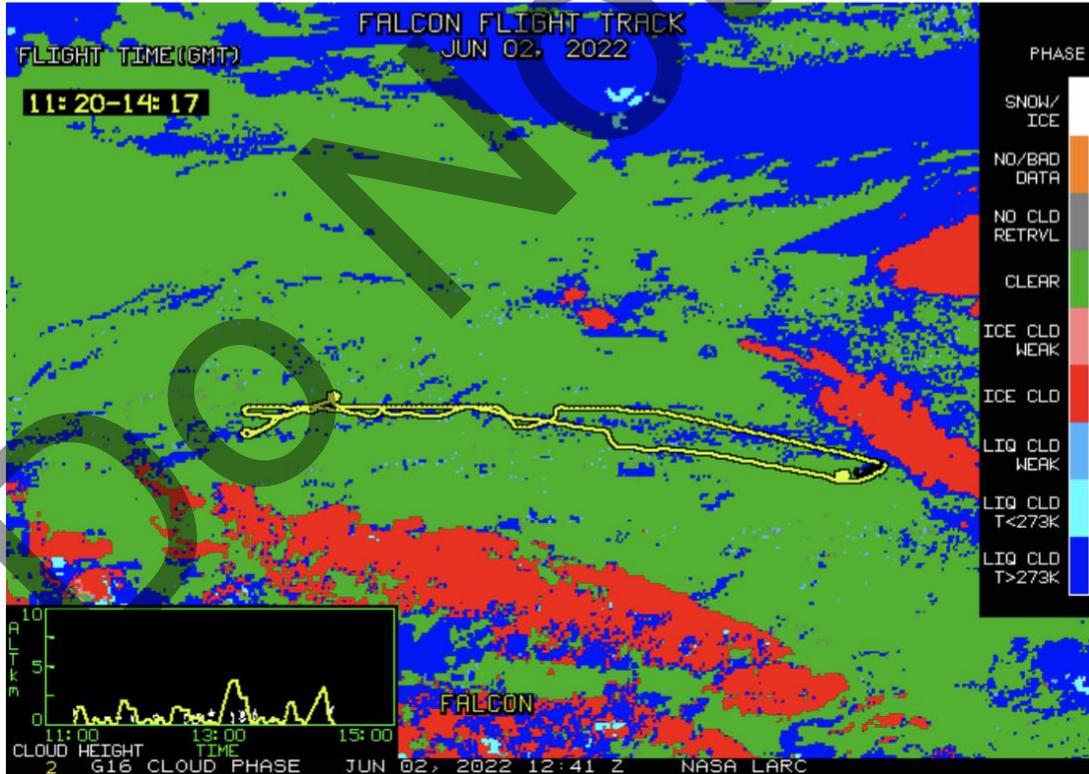


Only pure liquid clouds with Precip.

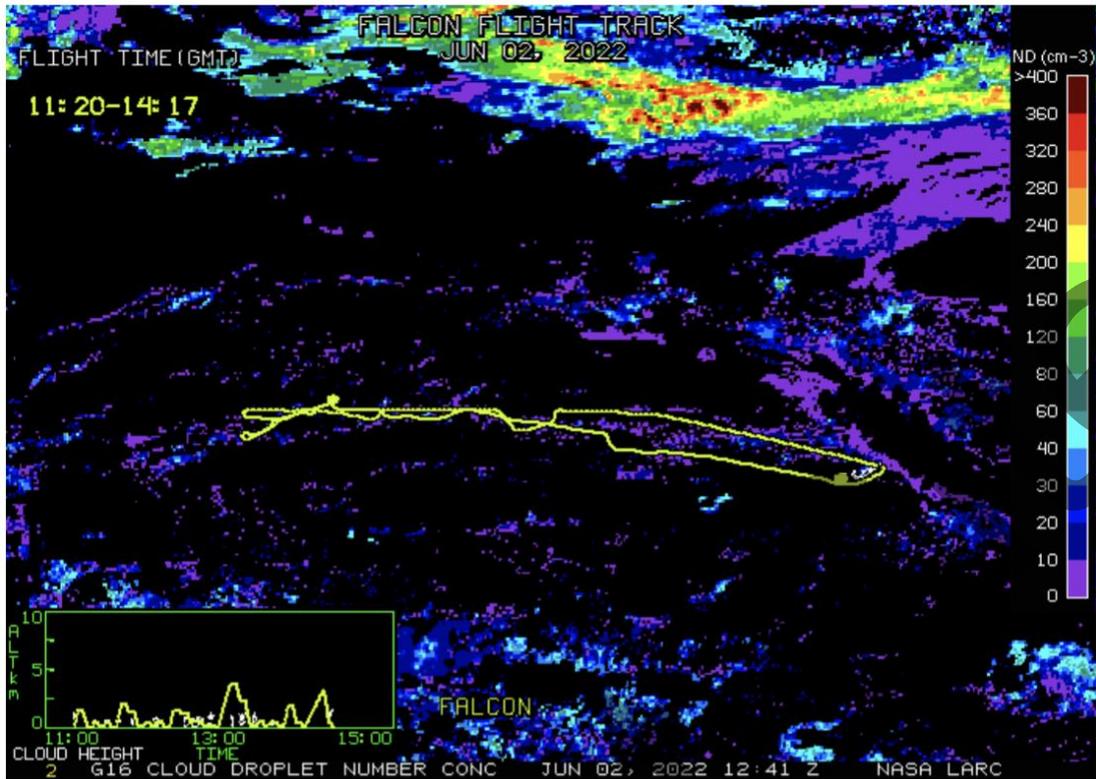
Visible Image



Cloud Phase



Cloud Droplet Number Concentration (cm-3)



Cloud-Top Height (Kft-ASL)

